

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE TO THE STATE OF THE S

Attorney Docket No.:

Inventors:

Serial No.:

09/913,697

Filing Date:

January 28, 2002

Examiner:

Dodson, Shelley A.

Group Art Unit:

1616

Title:

Compositions and Methods for Prevention

of Photoaging

DECLARATION UNDER RULE § 1.131

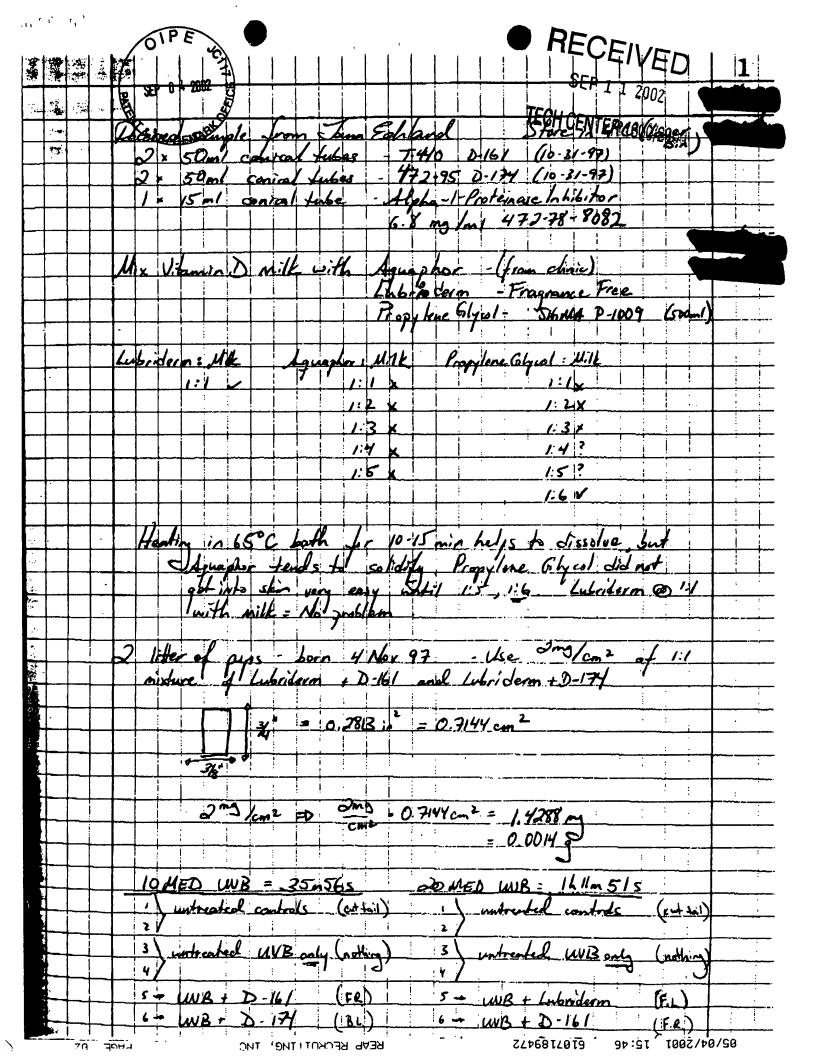
Bernstein, hereby declare that: I, Eric F.

- I am a co-inventor of the above-identified application and am most familiar with the subject matter of this application and the research effort occurring in my laboratory located in Philadelphia, Pennsylvania which lead to the discovery of this invention.
- As evidenced by pages from laboratory notebooks attached hereto, experiments have been performed demonstrating the ability of serine protease inhibitors to protect against cutaneous photodamage in a transgenic mouse model containing the human elastin promoter linked to a chloramphenicol acetyltransferase (CAT) reporter gene. This model is wellaccepted for its utility in testing compounds that may inhibit cutaneous photodamage in humans.
- The experiments described in the attached laboratory notebook pages were performed under my direct supervision prior to November 5, 1998.

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may

jeopardize the validity of the application or any patent issuing thereon.

Eric F. Bernstein, M.D.



	9
6.8 mg/m1 472.78-8082 (in PBS)	21953
	*
20 Cont - heubate for 15 min prior	
2. UVB (43 sec ~ 55 m/cm) to exposure	
2:10 M + UNB - 43 sec UNB 5 wiles	
C CAN MY FOUND	+
2.40 mM mly	-
MW = N 52 000 5/mg	
6-8 mg = latani . 19 = 6.88 . 6 mol = 6.000/307 mg	(M)
m1 11 000mg I 52.000g L	
/= 0.1307 mmol	(aN)
= 130.7 pmo!	(pm)
The state of the s	
A CONTRACTOR OF THE CONTRACTOR	
	-
6.8 mg = 130.7 MM	
mi 63.633 m	10.0
12.081m = 40 mM 7 The 133mm	
m1 3 dishes (3-1/dish)= 9 ml 6.8 mg	Ī
1.04055 = 20 pm 1 [9ms]	
3 dishes (3m/dish) = 9ml	
10.50000 mg = 10,1M 7 [A.5mg]	
So, take 10.09 of 6.8 mg	
22 421	
+ 22.401 ml of KPGS = 40 ml conc. 133 ml total Volume	1
	1
Pre Incubate 4 dishes w/3ml for 122 min (15min. total) = 12ml	
Shine H dishes w/3ml for 43 sec = 12ml	
a4ml	
Mari Kemoin @ 40mM conc	ļ
Pre Inembrate 2 dishes w/3ml = 6ml	
"Shine" 2 dishes w/sml for 43 sex = 6ml	
12ml	j
\04\2001 15:46 6107189472 REAP RECRUITING, INC PAGE 61	\$ 'S0

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8. 44. 6. C 4000 2 52,00 140 C 7/1s 43.2 39.6 MB (H3:) 60.4 6.2 0.1660 100 pl 93.8 Q.1770 0.2100 77.0 1435 Q.2270 73.1 0.2360 29 70.3 8 0.2180 0.2420 764 68.6 0.1910 13.6 86.9 11 0.2250 73.8 Mars (2 0.2030 81.8 18.2 Win H ij. 0 0 ₹ **80** 0 10 001 0.1 1. 10 43s 92:91 1002/00/50 אָבָאף, אבּירָאטַ וַ וַאָשׁ, יַ וַאַנּ

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